APRIL/MAY 2024

DECA44A/GECA44A — INTERNET OF THINGS

Time : Three hours Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. List the Applications of IoT.
2. Summarize the characteristics of IoT.
3. Generalize on COAP?
4. Define Microcontrollers.
5. Define URI.
6. Define Fog computing.
7. Define Smart Retail.
8. Classify the different types of sensors.
9. Define Arduino programming.
10. Summarize on Raspberry Pi.

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Discuss about a statistical view.

Or

(b) Describe introduction and Definition of internet of things.

12. (a) Explain : cloud for IoT.

Or

(b) Discuss about in Addressing and identification.

13. (a) Discuss about Transport protocols for IoT.

Or

(b) Explain a Quick walk through.

14. (a) How to use Adafruit cloud?

Or

(b) Illustrate cloud service provider for IoT Application.

15. (a) Write short note on story behind Raspberry Pi.

Or

(b) Explain initial configuration for Raspberry Pi.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain in detail the Genesis of IoT.

17. Summarize the types of sensors, controlling sensors through web pages.

18. Explain in detail the need and types of Data Analytics for IoT and brief the challenges faced by IoT Data Analytics.

19. Explain IoT possibilities in the Retail sector.

20. Briefly Explain OS for Raspberry Pi.

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